Abstract

The present invention relates to a novel absorbing, photoimageable and aqueous developable positive-working antireflective coating composition comprising a photoacid generator and a polymer comprising at least one unit with an acid labile group and at least one unit with an absorbing chromophore. The invention further relates to a process for using such a composition. The present invention also relates to a novel absorbing, photoimageable and aqueous alkali developable positive-working antireflective coating composition comprising a polymer comprising at least one unit with an acid labile group, a dye and a photoacid generator. The invention further relates to a process for using such a composition. The invention also relates to a novel process for forming a positive image with a positive photoresist and a novel photoimageable and aqueous developable positive-working antireflective coating composition, where the antireflective coating comprises a polymer comprising an acid labile group. The invention further relates to such a composition. The invention also relates to a process for imaging a photoimageable antireflective coating composition.